

# **METHOD AND APPARATUS PROVIDING ADDRESS MANAGEMENT IN A FLAT STRUCTURE MOBILE NETWORK**

## **ABSTRACT OF THE DISCLOSURE**

This invention provides an improved address management scheme in a mobile router (MR) that connects a mobile network into the Internet via an access network. The MR performs neighbor advertisement on behalf of mobile network nodes (MNNs) within the mobile network so that packets directed towards the MNNs are routed correctly to the MR, and then to the corresponding MNN, while maintaining standard address management procedures, such as IPv6 address management procedures, in the access network and in the mobile network.